

ABSTRACT OF THE DISCLOSURE

Disclosed is a frame buffer structure having a sub-word line way of 9 banks in which a dispersed 9-tile mapping shaped data storing method and a partial activation for the method are possible, the frame buffer structure requiring a low power consumption, and a frame buffer being integrated with a logic to properly correspond to an application region to process an MPEG image signal. A method for storing a compressed MPEG image in the frame buffer, comprises: a first step of dividing an image frame into 8x8 pixels regions; a second step of re-designating the respective divided pixel regions into 9 adjacent blocks regions having a form of 3x3; a third step of mapping the 8x8 pixel regions consisting of the 9 adjacent blocks regions having the form of 3x3 into one column; and a fourth step of dispersion-storing the mapped 9 blocks regions of 8x8 pixel regions in different banks.